COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA		THRESHO	D VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS		TIONS	5 TIME REQUIRED			MIL ILLUM.
Transmission Output Speed Sensor (TOSS)	P0502	Output Speed Sensor Circuit Low Voltage	TOSS	<=	150	RPM	Ignition Voltage	between	8 to 18	V	>=	5	Sec	One Trip
							Engine Speed Engine Torque Engine Torque Throttle Position TISS TFT	> = > = > = > = > = > =	500 50 300 12 1500 0	RPM N*m % RPM C	>=	5	Sec	
					Dis	able Conditions:	MIL not Illuminated for DTC's:	P0716, P0717, P0723, P0722						
Transmission Output Speed Sensor (TOSS)	P0503	Output Speed Sensor Circuit Intermittent	Drop in TOSS	>=	1500	RPM					>=	2	Sec	One Trip
							Time Since last range change	>=	6	Sec				
					Dis	able Conditions:	MIL not Illuminated for DTC's:	P0716, P0717, P0723, P0722						
Transmission Fluid Temperature Sensor (TFT)	P0711	Trans Fluid Temp Sensor Circuit Range/Performance	Fail Transmission Fluid   Case 1 Temp has not changed	>=	1.5	С					>=	409	Sec	Special No Trip
			Fail Transmission Fluid Case 2 Temp changes		14	Times					=	7	Sec	
							Ignition Voltage	between	8 to 18	V				
							Engine Running	>=	400	RPM	>=	300	Sec	
							TFT at Startup	between	-40 to 20	С				
							Engine Coolant	>=	70	С				
							Engine Coolant change since startup	>=	55	С				

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE CONDITIONS	TIME R	EQUIRED	MIL ILLUM.
				Disable Conditions:	MIL not Illuminated for DTC's:	P0711, P0716, P0717, P0722, P0723			
Transmission Fluid Temperature Sensor (TFT)	P0712	Transmission fluid temperature thermistor failed at a high temperature (short to ground).	Transmission Fluid Temperature	>= 254 C	Ignition Voltage	between 8 to 18 V	>= 1	0 Sec	Special No Trip
				Disable Conditions:	MIL not Illuminated for DTC's:	P0712 not FA or TFTKO			
Transmission Fluid Temperature Sensor (TFT)	P0713	Transmission fluid temperature thermistor failed at a low temperature (open or short to power).	TFT	<= -254 C			>= 40	)0 Sec	Special No Trip
				Disable Conditions:	Ignition Voltage	between 8 to 18 v P0723 not FA or TFTKO			
Transmission Input Speed Sensor (TISS)	P0716	Input Speed Sensor Performance	TISS Drops	>= 1300 RPM			>= 0.	8 sec	One Trip
					Ignition Voltage	between 8 to 18 V			
					Throttle Position	>= 14 %			
					Engine Speed	>= 500 RPM	>= 5	i sec	
					Vehicle Speed	>= 5 MPH			
				Disable Conditions:	MIL not Illuminated for DTC's:	P0716 not FA or TFTKO			
Transmission Input Speed Sensor (TISS)	P0717	Input Speed Sensor Circuit Low Voltage	TISS	< 100 RPM			>= 5	sec	One Trip
					Ignition Voltage	between 8 to 18 V			

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA		THRES	HOLD	D VALUE	SECONDARY PARAMETERS	ENABLE	E COND	ITIONS	TIM	IE RE(	QUIRED	MIL ILLUM.
								Engine Speed	>=	500	RPM	>=	5	sec	
								Engine Torque	between	50 - 500	lb ft				
								Vehicle Speed	>=	5	MPH				
						Disat	ble Conditions:	MIL not Illuminated for DTC's:	P0717 not FA or TFTKO						
Torque Converter Clutch (TCC)	P0741	TCC System Stuck OFF	TCC Slip Speed	>=	180	)	RPM					>=	7	Sec	One Trip
			TCC Fail Counter	>=	4		Count	TCC State	=	Comm anded	Locked				
								TCC Capacity	>=	50	%				
								Ignition Voltage	between	8 to 18	V				
								Engine Speed	>=	500	RPM	>=	5	sec	
								Engine Torque	between	21 to 500	lb ft				
								Trottle Position	between	4 to 99	%				
								Commanded Gear	=	2nd, 3rd, 4th	Gear				
								TFT	between	20 to 130	С				
						Disat	ble Conditions:	MIL not Illuminated for DTC's:	P0716, P0717, P0722, P0723, P0742						

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA		THRESHOLD	VALUE	SECONDARY PARAMETERS	ENABLE	E CONDI	TIONS	ТІМ	E REQ	UIRED	MIL ILLUM.
Torque Converter Clutch (TCC)	P0742	TCC System Stuck ON	TCC Slip Speed	bet we en	-20 to 25	RPM					>=	8	Sec	One Trip
			TCC Fail Counter	>=	3	Count	Ignition Voltage	between	8 to 18	V				
							Engine Speed	>=	500	RPM	>=	5	sec	
							TFT	between	20 to 130	С				
							Trottle Position	between	4 to 99	%				
							Engine Torque	between	70 to 500	lb ft				
							TCC State	=	Comm anded	OFF				
					Disab	le Conditions:	MIL not Illuminated for DTC's:	P0716, P0717, P0722, P0723, P0741						
Shift solenoid A Performance	P0751	Shift Solenoid Valve A Stuck Off 2-2-3-3	Fail Case 1 1st Gear Command	=	2nd Gear Ratio						=	1	Sec	Two Trips
			Fail 4th Gear Command Case 2	=	3rd Gear Ratio						=	1	Sec	
			Solenoid Performance Fail Counter	=	2	counts	Institute Voltage	botwoon	9 to 19	V				
							Engine Speed	>=	500	v RPM	>=	5	sec	
							TFT	between	20 to 130	С				
							Trottle Position	>=	10	%				

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABLE	CONDI	TIONS	TIM	E REQU	IRED	MIL ILLUM.
					Engine Torque	between	20 to 200	lb ft				
					Output Speed	>=	300	RPM				
					Input Speed	>=	150	RPM				
				Disable Conditions:	MIL not Illuminated for DTC's:							
Shift solenoid A Performance	P0752	Shift Solenoid Valve A Stuck On 1-1-4-4	Fail Case 1 2nd Gear Command	= 1st Gear Ratio					=	1	Sec	Two Trips
			Fail3rd Gear Command Case 2	= 4th Gear Ratio					=	1	Sec	
			Solenoid Performance Fail Counter	= 2 counts								
					Ignition Voltage	between	8 to 18	V				
					Engine Speed	>=	500	RPM	>=	5	sec	
					TFT	between	20 to 130	С				
					Trottle Position	>=	10	%				
					Engine Torque	between	20 to 200	lb ft				
					Output Speed	>=	300	RPM				
					Input Speed	>=	150	RPM				
				Disable Conditions:	MIL not Illuminated for DTC's:							
Shift Solinoid	P0753	Shift Solenoid A Control Circuit Electrical Fault	hardware circuitry detects ground short, open or short to voltage	, >= 43 of 50 Cnts					>=	4.3	sec	One Trip
					Ignition Voltage	between	8 to 18	V				
					Engine Speed	>=	500	RPM	>=	5	sec	
				Disable Conditions:	MIL not Illuminated for DTC's:	None						

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFU	JNCTION CRITERIA		THRESHOLD VALU	E	SECONDARY PARAMETERS	ENABLE	CONDI	TIONS	ТІМ	E REQI	JIRED	MIL ILLUM.
Shift solenoid B Performance	P0756	Shift Solenoid Valve B Stuck On 4-3-3-4	<u>Fail</u> Case 1	1st Gear Command	=	4th Gear Ratio						=	1	Sec	One Trip
			<u>Fail</u> Case 2	2nd Gear Command	=	3rd Gear Ratio						=	1	Sec	
				Solenoid Performance Fail Counter	=	2 co	ounts								
								Ignition Voltage	between	8 to 18	V				
								Engine Speed	>=	500	RPM	>=	5	sec	
								TFT	between	20 to 130	С				
								Trottle Position	>=	10	%				
								Engine Torque	between	20 to 200	lb ft				
								Output Speed	>=	300	RPM				
								Input Speed	>=	150	RPM				
						Disable Con	ditions:	MIL not Illuminated for DTC's:							
Shift solenoid B Performance	P0757	Shift Solenoid Valve B Stuck Off 1-2-2-1	<u>Fail</u> Case 1	3rd Gear Command	=	2nd Gear Ratio						=	1	Sec	One Trip
			<u>Fail</u> Case 2	4th Gear Command	=	1st Gear Ratio						=	1	Sec	
				Solenoid Performance Fail Counter	=	2 cc	ounts								
								Ignition Voltage	between	8 to 18	V				
								Engine Speed	>=	500	RPM	>=	5	sec	
								TFT	between	20 to 130	С				
								Trottle Position	>=	10	%				
								Engine Torque	between	20 to 200	lb ft				

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA		THRESHOLI	D VALUE	SECONDARY PARAMETERS	ENABLE	E CONDI	TIONS	TIM	E REQI	JIRED	MIL ILLUM.
							Output Speed	>=	300	RPM				
							Input Speed	>=	150	RPM				
					Disa	ble Conditions:	MIL not Illuminated for DTC's:							
Shift Solinoid	P0758	Shift Solenoid B Control Circuit Electrical Fault	hardware circuitry detects ground short, open or short to voltage	>=	43 of 50	Cnts					>=	4.3	sec	Two Trips
							Ignition Voltage	between	8 to 18	V				
							Engine Speed	>=	500	RPM	>=	5	sec	
					Disa	ble Conditions:	MIL not Illuminated for DTC's:	None						
Torque Converter Clutch (TCC) Release Switch	P0842		TCC Release Switch State TCC Release Switch Fail Counter	=	Applied 2	counts					>=	10	Sec	Two Trips
		TCC Release Switch Circuit Low Voltage, TCC is commanded					TCC State	=	Comm	OFF				
		OFF and Slip is High but TCC Release switch is indicating TCC					TCC Slip	>=	80	RPM				
		is applied					Ignition Voltage	between	8 to 18	V				
							Engine Speed	>=	500	RPM	>=	5	sec	
							Engine Torque	between	30 to 300	lb ft				
							Vehicle Speed	between	10 to 90	MPH				
							TFT	between	20 to 130	С				
					Disa	ble Conditions:	MIL not Illuminated for DTC's:	None						
Torque Converter Clutch (TCC) Release Switch	P0843	TCC Release Switch Circuit High Voltage	TCC Release Switch State TCC Release Switch Fail Counter	=	Released 2	counts					>=	6	Sec	Two Trips

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESH	OLD VALUE	SECONDARY PARAMETERS	S ENABLE CONDITIONS			ENABLE CONDITIONS		ENABLE CONDITIONS		ENABLE CONDITIONS		E REQU	IRED	MIL ILLUM.
						TCC State TCC Slip Ignition Voltage Engine Speed Engine Torque Vehicle Speed TFT	= between between between between	Comm anded -20 to 25 8 to 18 500 30 to 300 10 to 90 20 to 130	Locked RPM V RPM Ib ft MPH	>=	5	sec						
				I	Disable Conditions:	MIL not Illuminated for DTC's:	None											
Internal Mode Switch (IMS)	P182A	Internal Mode Switch-Circuit A Low Voltage	Park timer IMS Circuit A Fail Timer	>= 2 >= 8	sec sec Disable Conditions:	Ignition Voltage Engine Speed Engine Torque MAP IMS	between >= between = No MAP DTCs	8 to 18 500 40 to 300 0 to 105 Transiti onal 1	V RPM Ib ft kPa	>=	5	sec	Two Trips					

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA		THRESHO	DLD VALUE	SECONDARY PARAMETERS	ENABLE	E CONDI	FIONS	TIME	EREQU	IRED	MIL ILLUM.
Internal Mode Switch (IMS)	P182C	Internal Mode Switch-Circuit B	Park timer	>=	2	sec								Two Trips
		riigh voltage	IMS Circuit B Fail Timer	>=	8	sec								
							Ignition Voltage	between	8 to 18	V				
							Engine Speed	>=	500	RPM	>=	5	sec	
							Engine Torque	between	40 to 300	lb ft				
							MAP	between	0 to 105	kPa				
							IMS	=	Transiti onal 13					
					Di	sable Conditions:	MIL not Illuminated for DTC's:	No MAP DTCs						
Internal Mode Switch (IMS)	P182D	Internal Mode Switch-Circuit P	Park timer	>=	2	sec								Two Trips
			IMS Circuit P Fail Timer	>=	8	sec								
							Ignition Voltage	between	8 to 18	V				
							Engine Speed	>=	500	RPM	>=	5	sec	
							Engine Torque	between	40 to 300	lb ft				
							МАР	between	0 to 105	kPa				
							IMS	=	Transiti onal 8					
					Di	sable Conditions:	MIL not Illuminated for DTC's:	No MAP DTCs						
Internal Mode Switch (IMS)	P182E	Internal Mode Switch-Invalid Range	IMS Range Fail Timer	>=	60	sec								Two Trips
							Ignition Voltage	between	8 to 18	v				

COMPONENT/ SYSTEM	FAULT CODE	MONITOR STRATEGY DESCRIPTION	MALFUNCTION CRITERIA	THRESHOLD VALUE	SECONDARY PARAMETERS	ENABL	E CONDI	TIONS	TIM	IE REQ	UIRED	MIL ILLUM.
					Engine Speed	>=	500	RPM	>=	5	sec	
					IMS	=	Invalid					
				Disable Conditions:	MIL not Illuminated for DTC's:							
Internal Mode Switch (IMS)	P182F	Internal Mode Switch-Circuit C High Voltage	IMS Circuit C Fail Timer	>= 60 sec								Two Trips
					Ignition Voltage	between	8 to 18	V				
					Gear Ratio	=	1st, 2nd, 3rd or 4th	Gear				
					Engine Speed	>=	500	RPM	>=	5	sec	
					Engine Torque	between	20 to 300	lb ft				
					Vehicle Speed	between	10 to 90	MPH				
				Disable Conditions:	MIL not Illuminated for DTC's:	P1826 has not passed						
Torque Converter Clutch (TCC) PWM Solenoid	P2761	TCC PWM Solenoid Switch Circuit High or Low Voltage. This DTC detects a continuous Open,	hardware circuitry detects ground short, open or short to voltage	>= 43 of 50 Cnts					>=	4.3	sec	Two Trips
		Short to Ground, or Short to Voltage.			TCC Capacity	between	10 to 70	%				
					Ignition Voltage	between	8 to 18	V				
					Engine Speed	>=	500	RPM	>=	5	sec	
				Disable Conditions:	MIL not Illuminated for DTC's:	None						